

2015 UDOT RESEARCH PROBLEM STATEMENT

*** Problem statement deadline is March 10, 2015. Submit statements to Jason Richins at jrichins@utah.gov. ***

Title: Non-intrusive Avian Abatement

No. (office use): 15.02.04

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UDOT Champion (suggested): Charles Mason Hill

Select a Subject Area

☐ Materials/Pavements

☒ Maintenance

☐ Traffic Mgmt/Safety

☐ Preconstruction

☐ Planning

☐ Structures/Geotechnical

1. Describe the problem to be addressed.

Install an avian abatement system that is less impactful to the structures during installation, less visually intrusive to the traveling public and less harmful to the avian populations.

2. Explain why this research is important.

The existing options are difficult to install mid-span on structures, because of the SPUI interchanges the sidewalks are located farther from the abutments than conventional overpasses. Additional Region Two has received multiple calls every year commenting on trapped or deceased birds in the netting. Other systems besides netting, such as spikes, have a tendency to harm or appear to harm the avian species, which results in public calls.

3. List the research objective(s):

1. Determine the effectiveness of non-intrusive systems that combine multiple methods of deterrent instead of netting or spike strips.
2. Establish field understanding of other systems and develop better specifications for projects and possible procurement contracts.

4. List the major tasks:

1. Determine three (3) high avian bridge locations to evaluate and install this system on one of the bridges.
2. Install a system that utilizes multiple techniques, none of which cause injury to the species.
3. Develop specifications, application options, and expectations for future projects or contracts.

5. List the expected results:

1. Discover other options for avian control.

6. Describe how this research will be implemented.

The results of this project will be utilized to develop better standards and specifications for use in Procurement contracts and projects.

7. Requested from UDOT: \$45,000

Other/Matching Funds: \$

Total Cost: \$

8. Outline the proposed schedule, including start and major event dates.

